

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009652.D
 Acq On : 07 Feb 2020 18:38
 Operator : CG/JU
 Sample : L1324-18DL 30X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 07 23:20:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 07 15:21:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	147650	20.00	ng/ul	0.00
18) Naphthalene-d8	10.18	136	610693	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	374215	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	743527	20.00	ng/ul	0.00
77) Chrysene-d12	21.04	240	701465	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	712114	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.65	99	3825	0.30	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.80	67	3133	0.36	ng/ul	0.01
9) 2-Chlorophenol-d4	6.98	132	3983	0.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	3345	0.33	ng/ul	0.02
19) Nitrobenzene-d5	8.60	128	1457	0.32	ng/ul	0.02
22) 2-Nitrophenol-d4	9.30	143	1311	0.26	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	9.86	165	3538	0.37	ng/ul	0.04
29) 4-Chloroaniline-d4	10.38	131	694	0.07	ng/ul	0.05
43) Dimethylphthalate-d6	13.50	166	13551	0.50	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	15969	0.48	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.07	176	13864	0.58	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	562	0.12	ng/ul	0.01
70) Anthracene-d10	16.92	188	23852	0.71	ng/ul	0.00
78) Pyrene-d10	19.23	212	22910	0.62	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.02	264	21455	0.61	ng/ul	0.00

Target Compounds

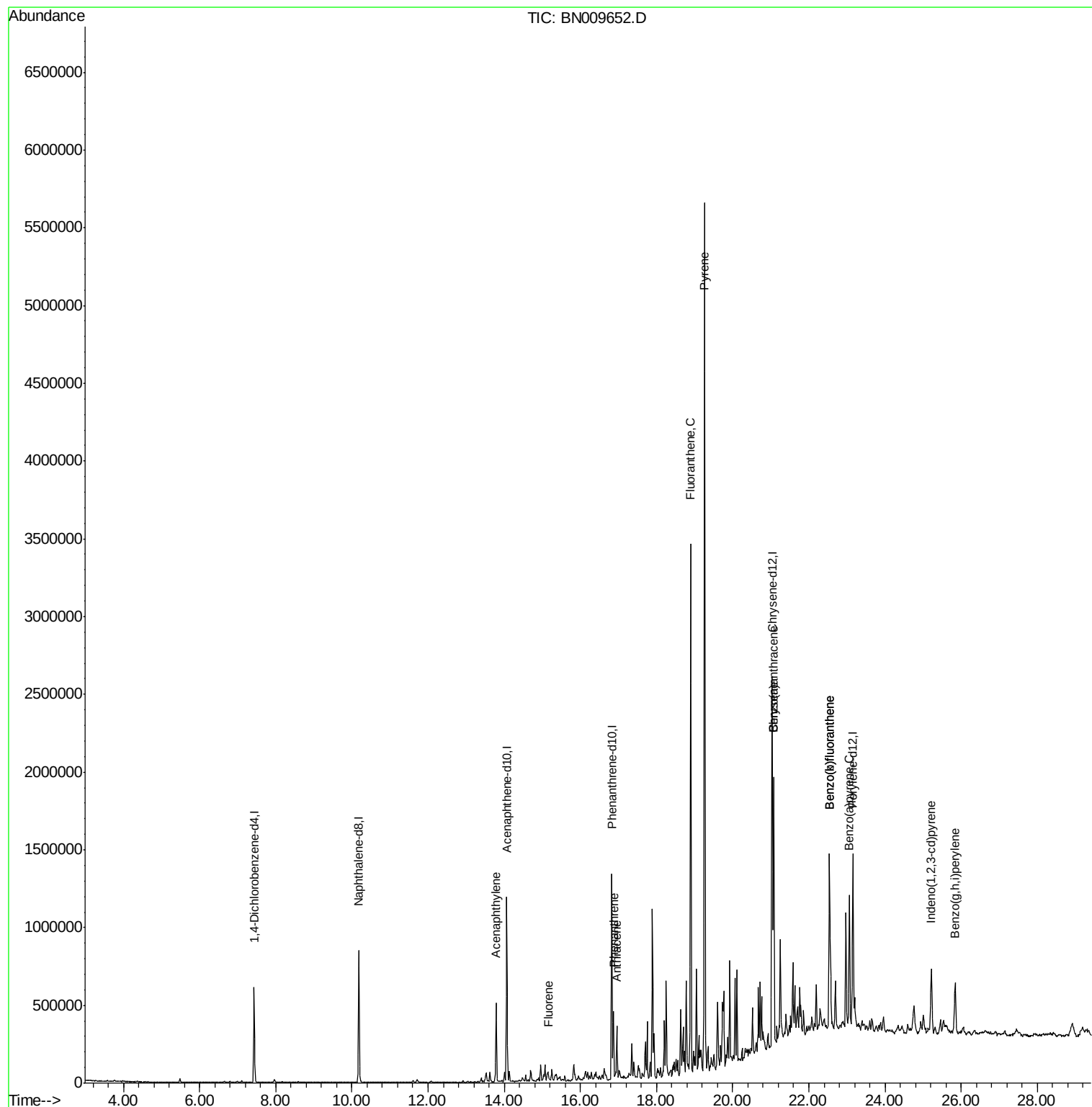
					Ovalue	
47) Acenaphthylene	13.79	152	346752	9.599	ng/ul	99
58) Fluorene	15.15	166	30143	1.055	ng/ul#	68
69) Phenanthrene	16.87	178	246774	5.820	ng/ul	98
71) Anthracene	16.96	178	205178	4.769	ng/ul	99
76) Fluoranthene	18.90	202	1906897	39.403	ng/ul	100
79) Pyrene	19.26	202	3207339	62.635	ng/ul	97
82) Benzo(a)anthracene	21.07	228	894847	18.476	ng/ul	93
84) Chrysene	21.07	228	895142	18.565	ng/ul	98
87) Benzo(b)fluoranthene	22.54	252	996816	22.373	ng/ul	98
88) Benzo(k)fluoranthene	22.54	252	996816	22.718	ng/ul	98
90) Benzo(a)pyrene	23.06	252	446671	10.821	ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.22	276	338196	6.891	ng/ul	92
93) Benzo(g,h,i)perylene	25.84	276	338091	8.220	ng/ul	96

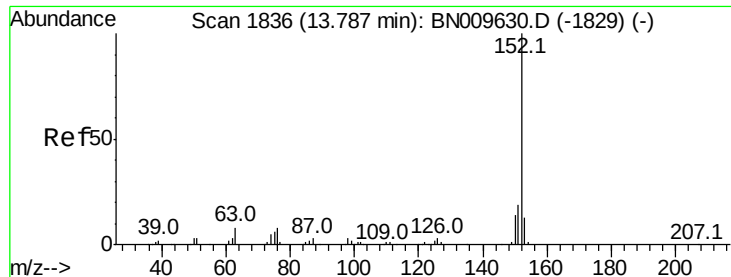
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#47

Acenaphthylene

Concen: 9.599 ng/ul

RT: 13.79 min Scan# 1836

Delta R.T. -0.00 min

Lab File: BN009652.D

Acq: 07 Feb 2020 18:38

Instrument :

BNA_N

ClientSampleId :

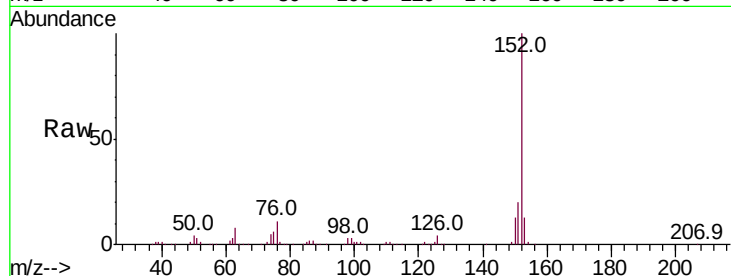
Tot Ion:152 Resp: 346752

Ion Ratio Lower Upper

152 100

151 19.7 16.2 24.2

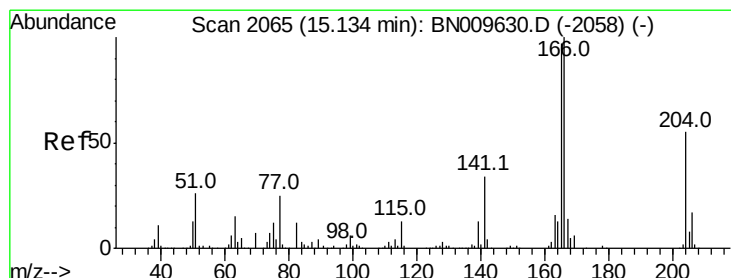
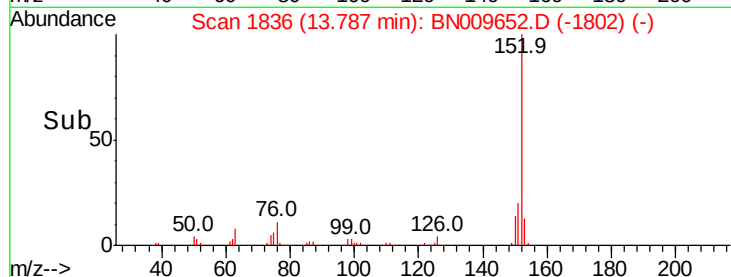
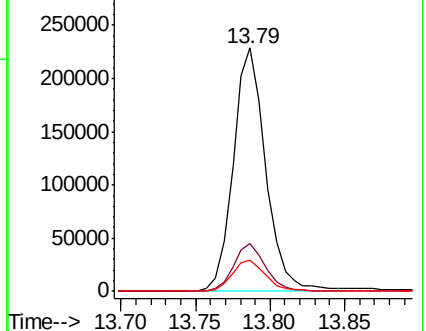
153 12.8 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#58

Fluorene

Concen: 1.055 ng/ul

RT: 15.15 min Scan# 2068

Delta R.T. 0.02 min

Lab File: BN009652.D

Acq: 07 Feb 2020 18:38

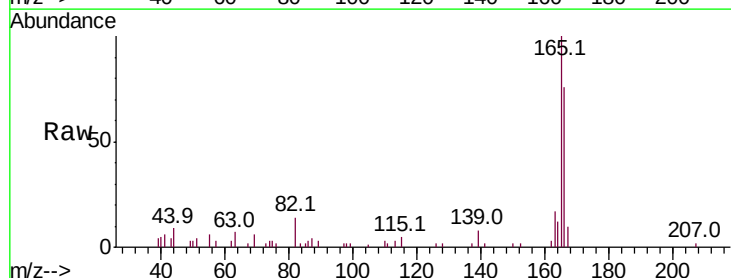
Tgt Ion:166 Resp: 30143

Ion Ratio Lower Upper

166 100

165 131.1 76.7 115.1#

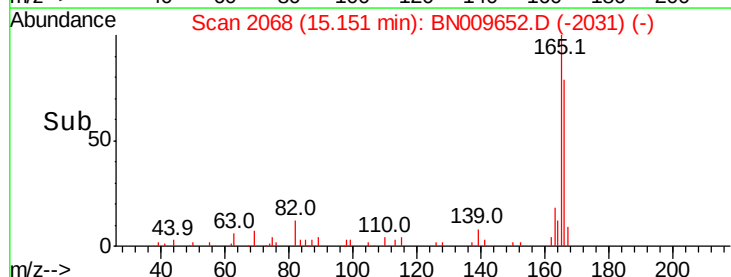
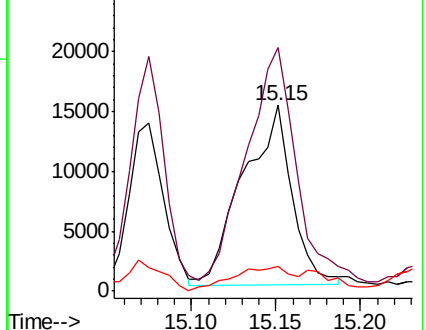
167 13.2 11.1 16.7

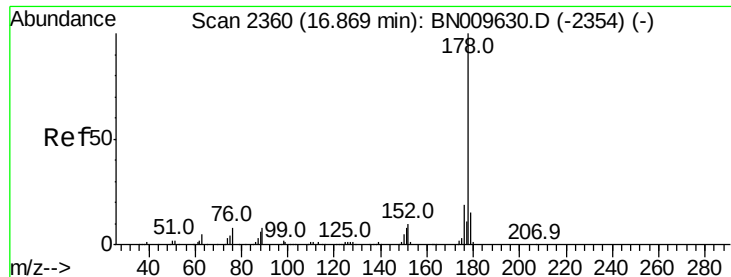


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 5.820 ng/ul

RT: 16.87 min Scan# 2360

Delta R.T. -0.00 min

Lab File: BN009652.D

Acq: 07 Feb 2020 18:38

Instrument :

BNA_N

ClientSampleId :

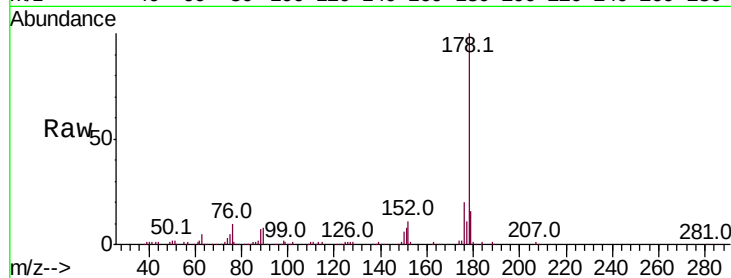
Tot Ion:178 Resp: 246774

Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.2

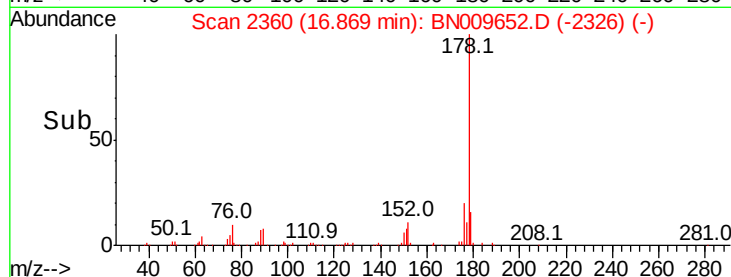
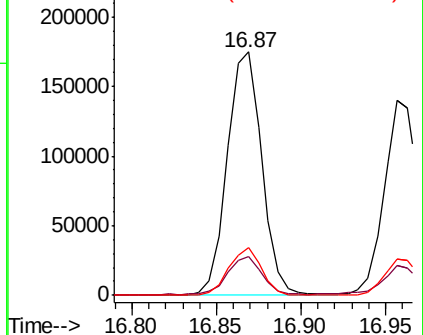
176 19.7 14.8 22.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 4.769 ng/ul

RT: 16.96 min Scan# 2375

Delta R.T. -0.01 min

Lab File: BN009652.D

Acq: 07 Feb 2020 18:38

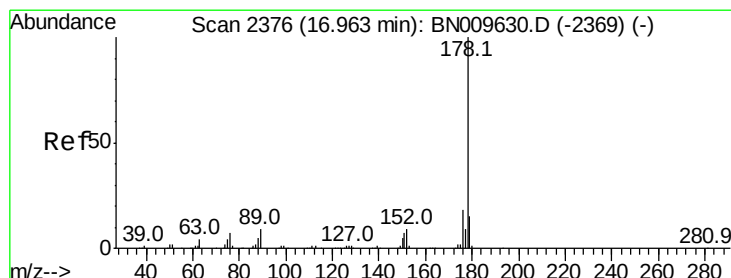
Tgt Ion:178 Resp: 205178

Ion Ratio Lower Upper

178 100

179 15.5 12.1 18.1

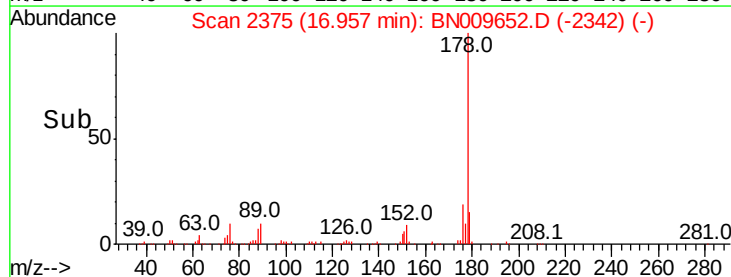
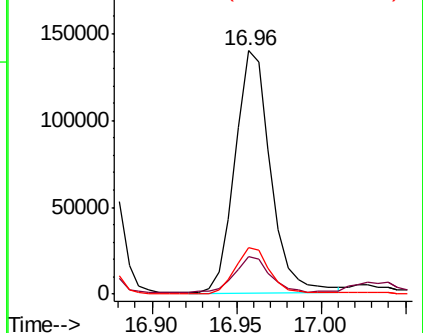
176 18.9 14.6 21.8

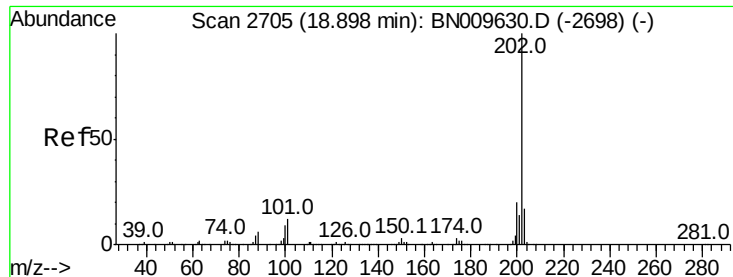


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 39.403 ng/ul

RT: 18.90 min Scan# 2705

Delta R.T. -0.00 min

Lab File: BN009652.D

Acq: 07 Feb 2020 18:38

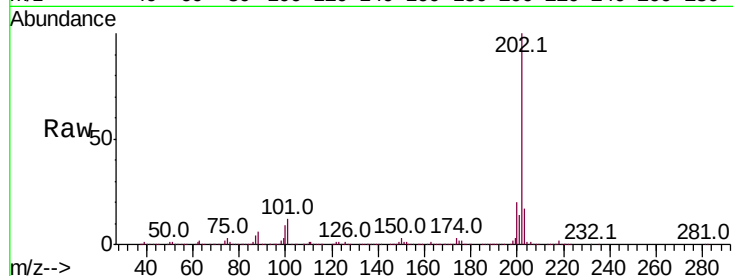
Instrument :

BNA_N

ClientSampleId :

Tot Ion:202 Resp: 1906897

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.2	13.8
100	8.6	6.9	10.3

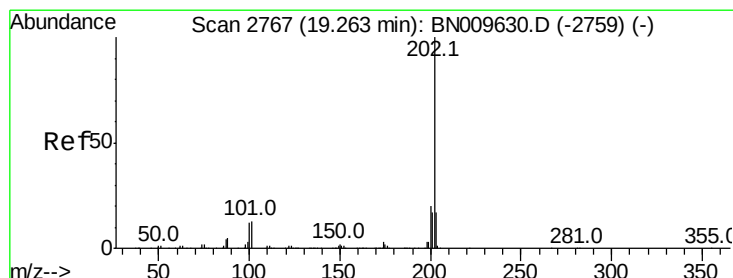
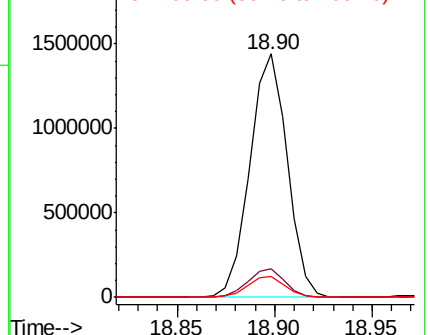
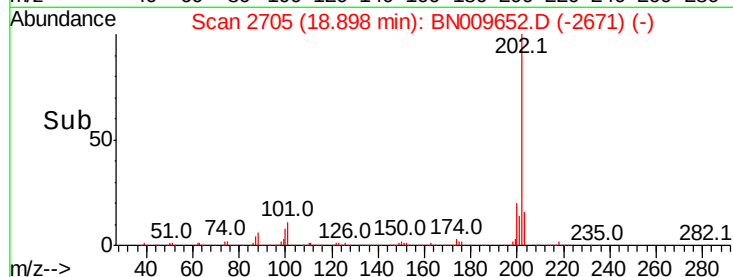


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#79

Pyrene

Concen: 62.635 ng/ul

RT: 19.26 min Scan# 2767

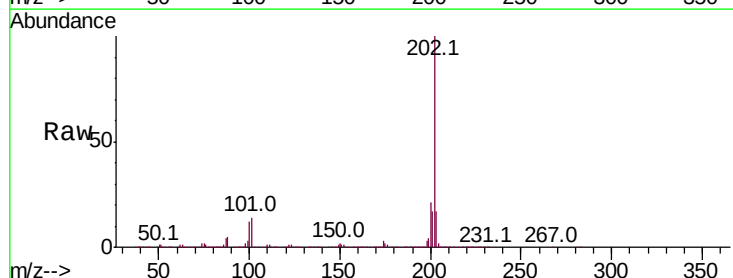
Delta R.T. -0.00 min

Lab File: BN009652.D

Acq: 07 Feb 2020 18:38

Tgt Ion:202 Resp: 3207339

Ion	Ratio	Lower	Upper
202	100		
101	13.8	10.3	15.5
100	11.9	8.4	12.6

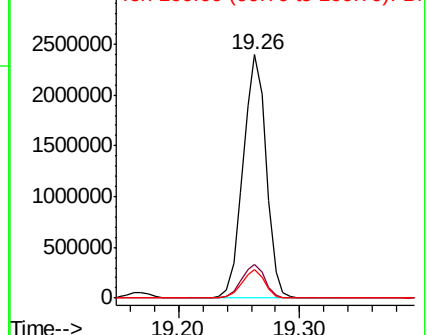
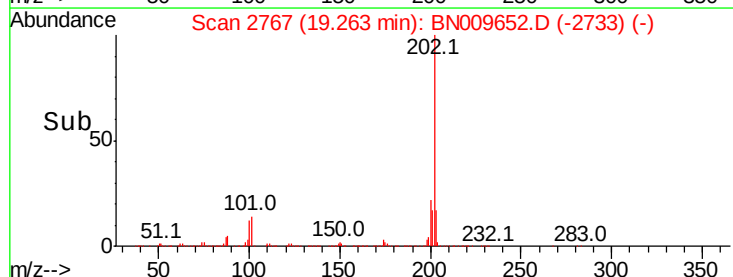


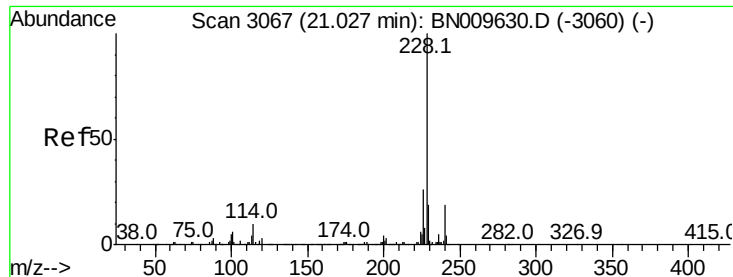
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

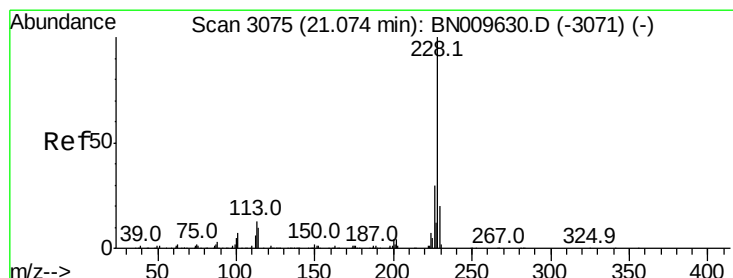
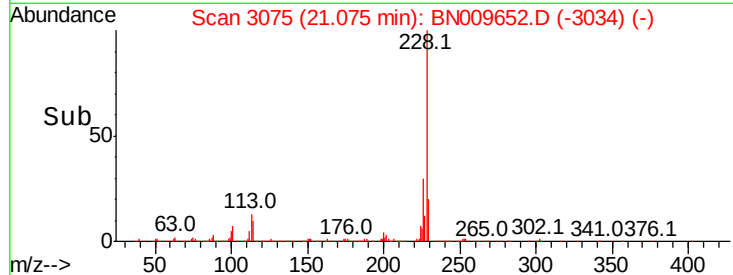
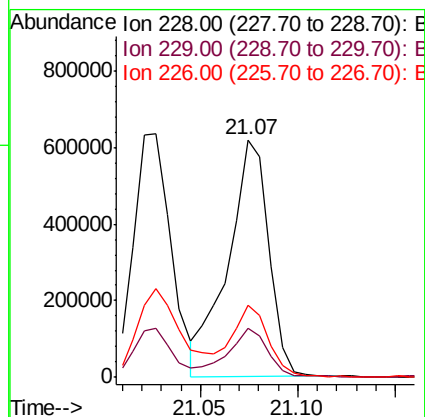
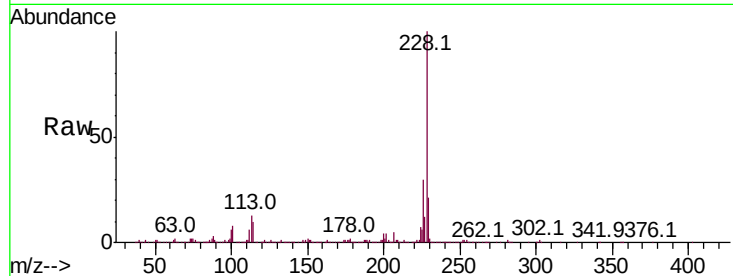




#82
Benzo(a)anthracene
Concen: 18.476 ng/ul
RT: 21.07 min Scan# 3075
Delta R.T. 0.04 min
Lab File: BN009652.D
Acq: 07 Feb 2020 18:38

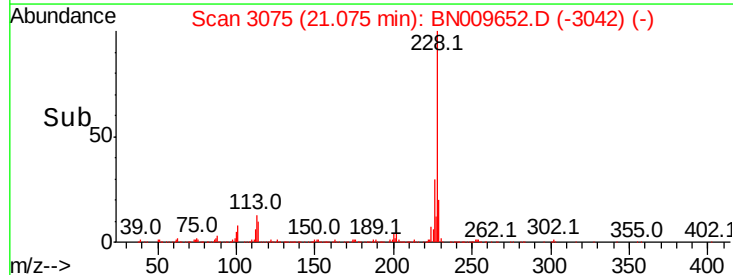
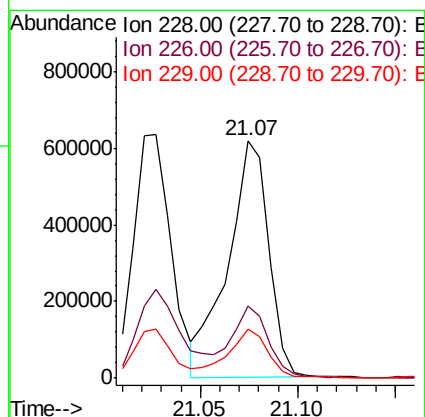
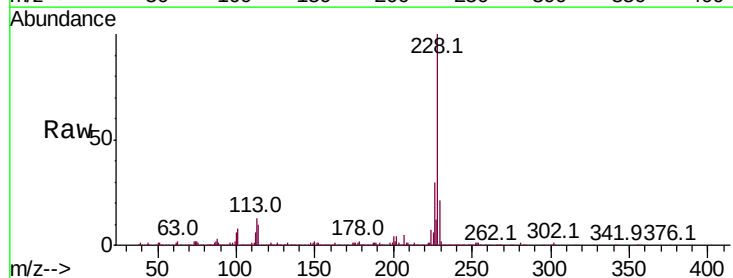
Instrument :
BNA_N
ClientSampleId :

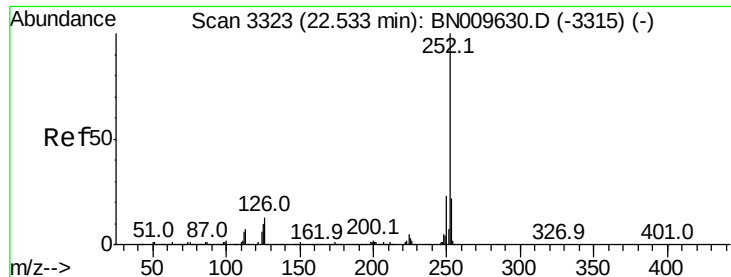
Tot	Ion:228	Resp:	894847
Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.0	22.4
226	30.4	20.9	31.3



#84
Chrysene
Concen: 18.565 ng/ul
RT: 21.07 min Scan# 3075
Delta R.T. -0.01 min
Lab File: BN009652.D
Acq: 07 Feb 2020 18:38

Tgt Ion	228	Resp: Lower	895142 Upper
	Ratio		
228	100		
226	30.4	23.5	35.3
229	20.6	15.8	23.8

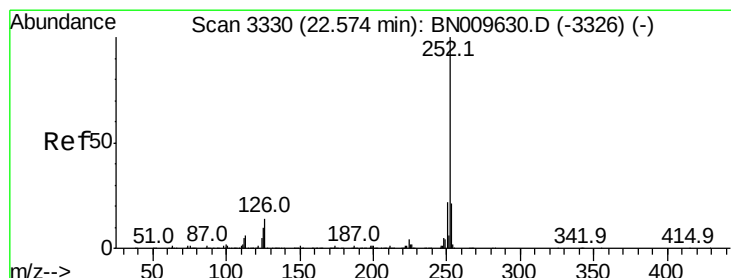
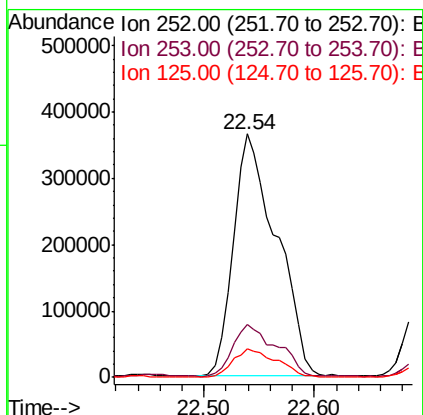
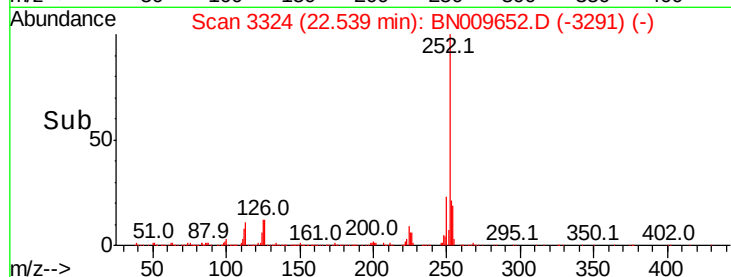
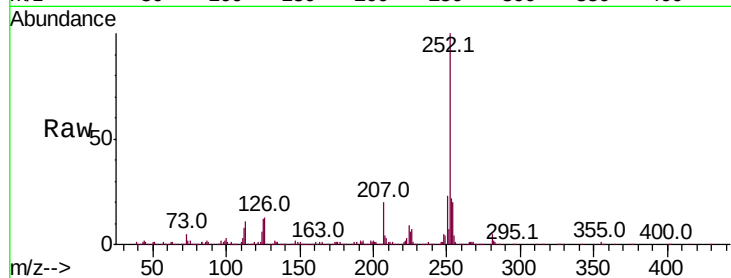




#87
Benzo(b)fluoranthene
Concen: 22.373 ng/ul
RT: 22.54 min Scan# 3324
Delta R.T. -0.01 min
Lab File: BN009652.D
Acq: 07 Feb 2020 18:38

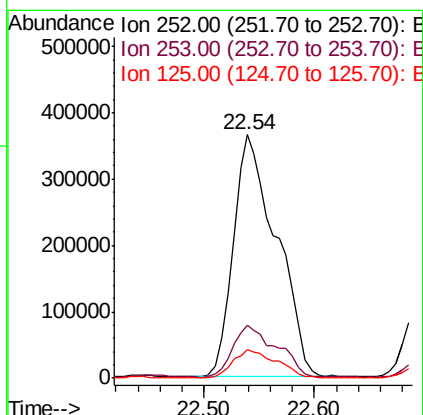
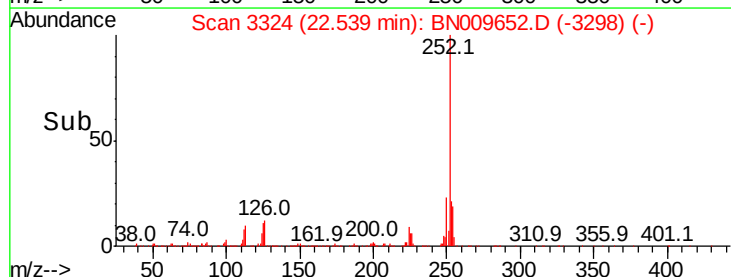
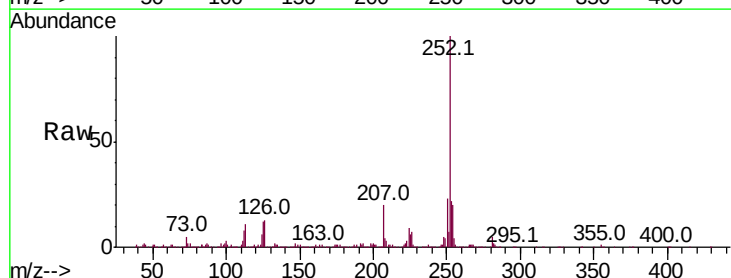
Instrument :
BNA_N
ClientSampled :

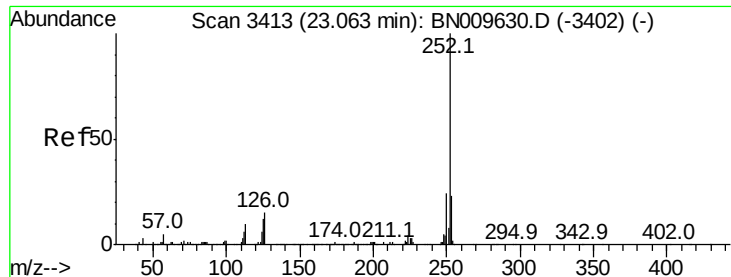
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.6
125	11.8	8.2	12.2



#88
Benzo(k)fluoranthene
Concen: 22.718 ng/ul
RT: 22.54 min Scan# 3324
Delta R.T. -0.05 min
Lab File: BN009652.D
Acq: 07 Feb 2020 18:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.4
125	11.8	8.0	12.0





#90

Benzo(a)pyrene

Concen: 10.821 ng/ul

RT: 23.06 min Scan# 3413

Delta R.T. -0.01 min

Lab File: BN009652.D

Acq: 07 Feb 2020 18:38

Instrument :

BNA_N

ClientSampleId :

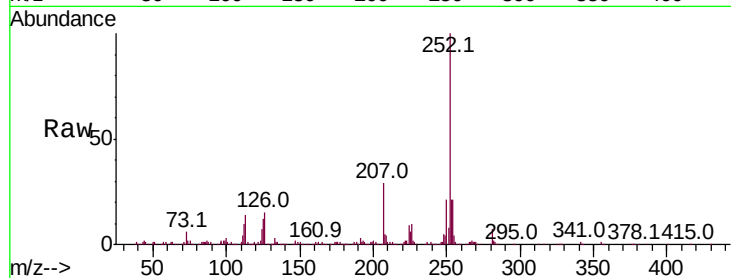
Tot Ion:252 Resp: 446671

Ion Ratio Lower Upper

252 100

253 21.5 15.8 23.8

125 12.2 8.7 13.1

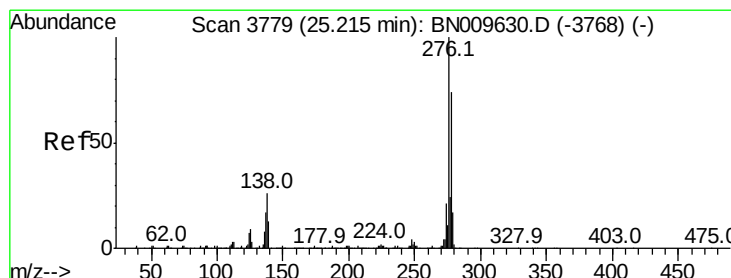
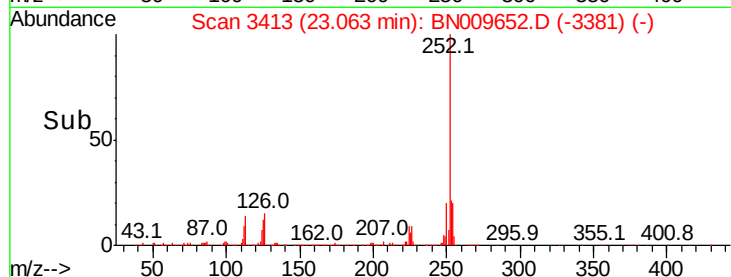
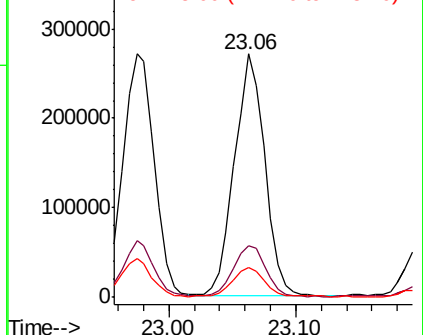


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Indeno(1,2,3-cd)pyrene

Concen: 6.891 ng/ul

RT: 25.22 min Scan# 3779

Delta R.T. -0.02 min

Lab File: BN009652.D

Acq: 07 Feb 2020 18:38

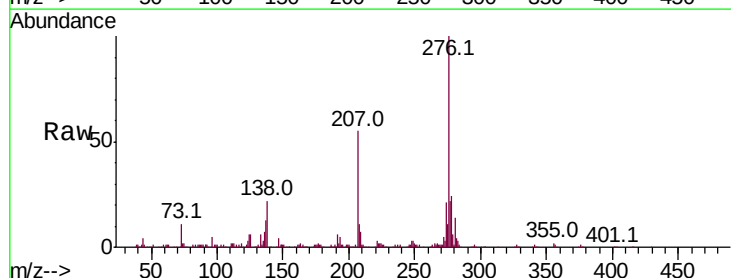
Tgt Ion:276 Resp: 338196

Ion Ratio Lower Upper

276 100

138 21.6 20.3 30.5

277 22.4 21.2 31.8

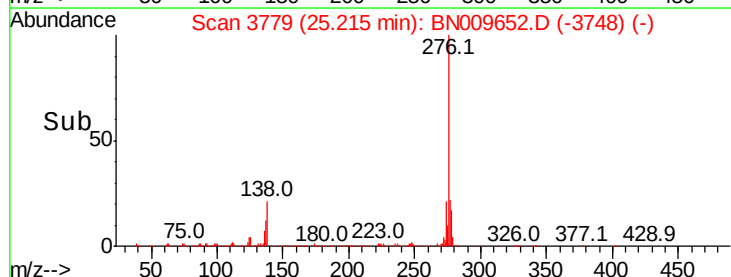
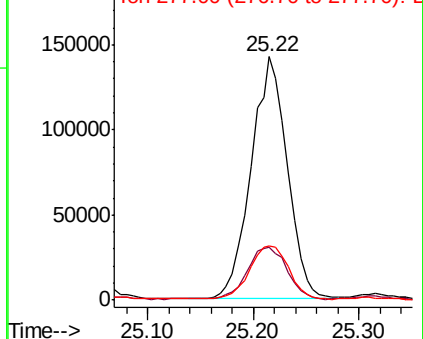


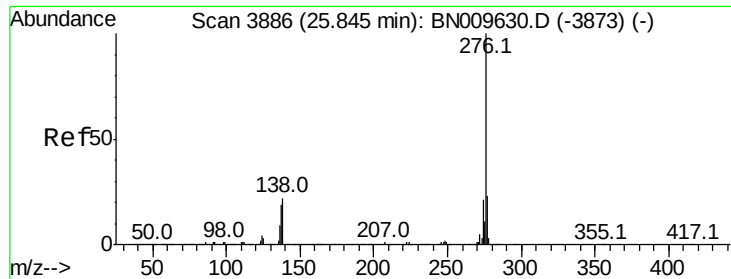
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Benzo(a,h,i)perylene

Concen: 8.220 ng/ul

RT: 25.84 min Scan# 3885

Delta R.T. -0.02 min

Lab File: BN009652.D

Acq: 07 Feb 2020 18:38

Instrument :

BNA_N

ClientSampleId :

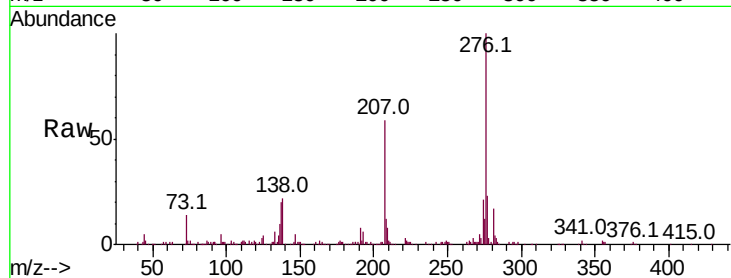
Tot Ion:276 Resp: 338091

Ion Ratio Lower Upper

276 100

138 22.1 16.0 24.0

277 22.7 17.0 25.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

